

### **Abstract of the Disclosure**

The invention relates to a method of making microorganisms capable of producing petroleum from coal, or wood or certain other fossil fuels or raw materials, wherein gene sequences responsible for such production are isolated from 5 microorganisms capable of such production, and transfected into suitable hosts, with better productivity or viability. The invention also includes using the same process to make elemental carbon, hydrogen and oxygen from organic or inorganic sources, including natural water or salt-water sources, petroleum, coal, other fossil fuel materials or other hydrocarbon sources, including turf, grass, glucose, rubber, sapropel, 10 sapropelites, slates and wood; and it further includes making fossil fuels from water or from carbon, hydrogen and oxygen. In the alternative, the appropriate gene sequence can be used to make probes which can be used to find other gene sequences in other microorganisms which can optimize production.